

FIG. 1

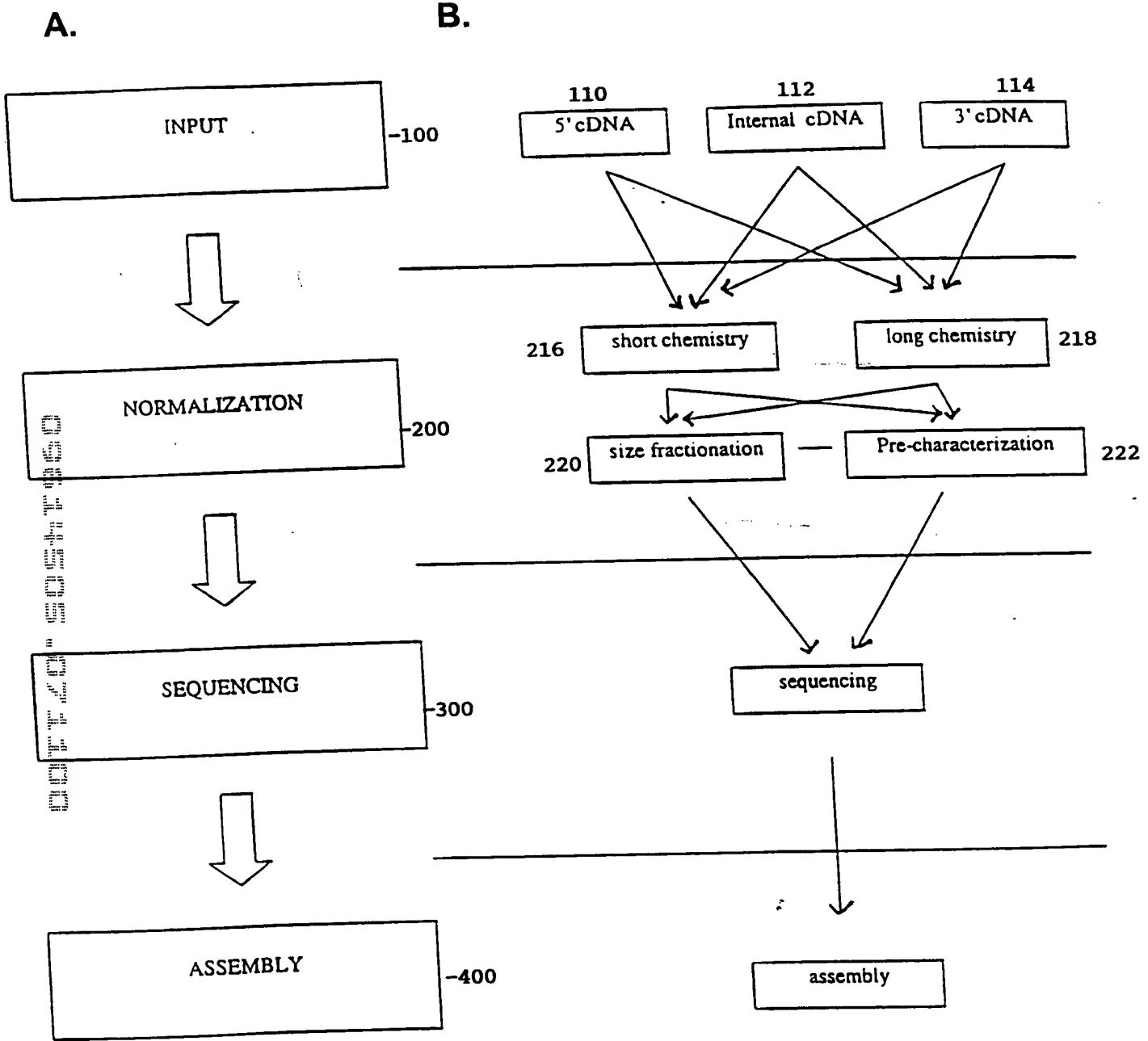
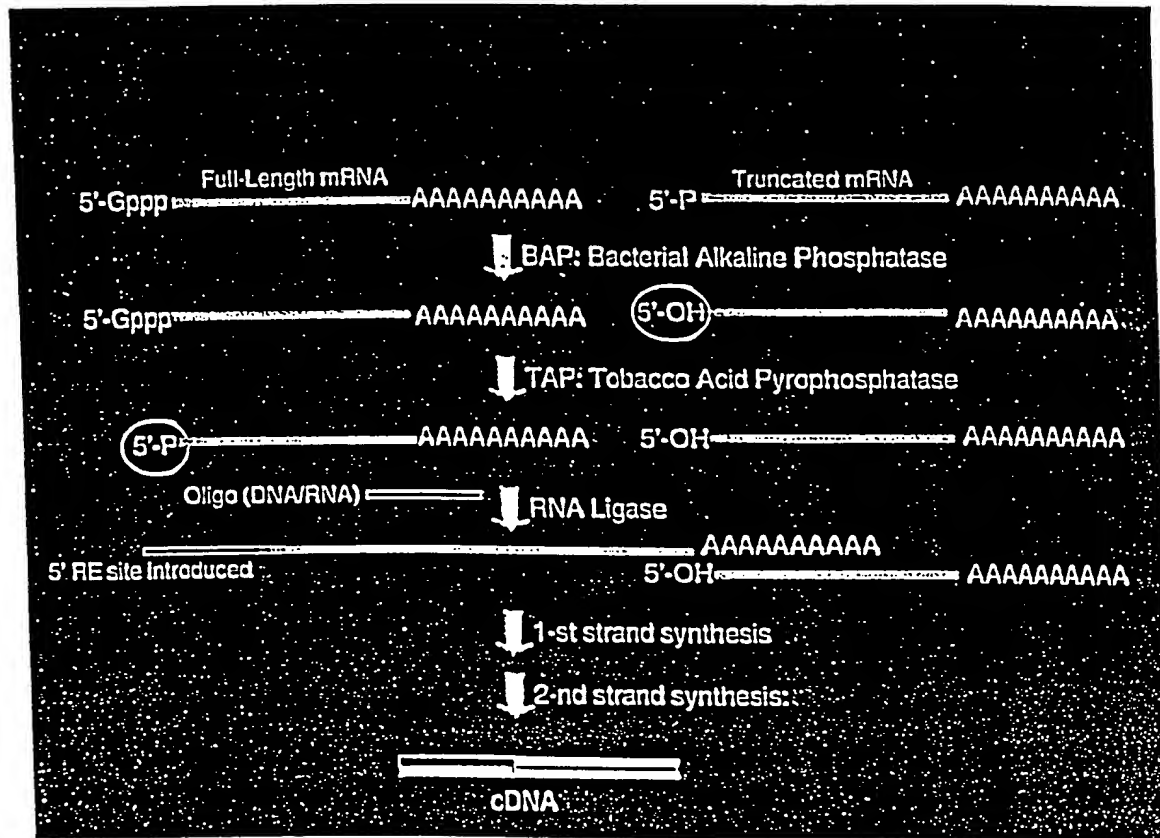


FIG. 2



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FIG. 3A

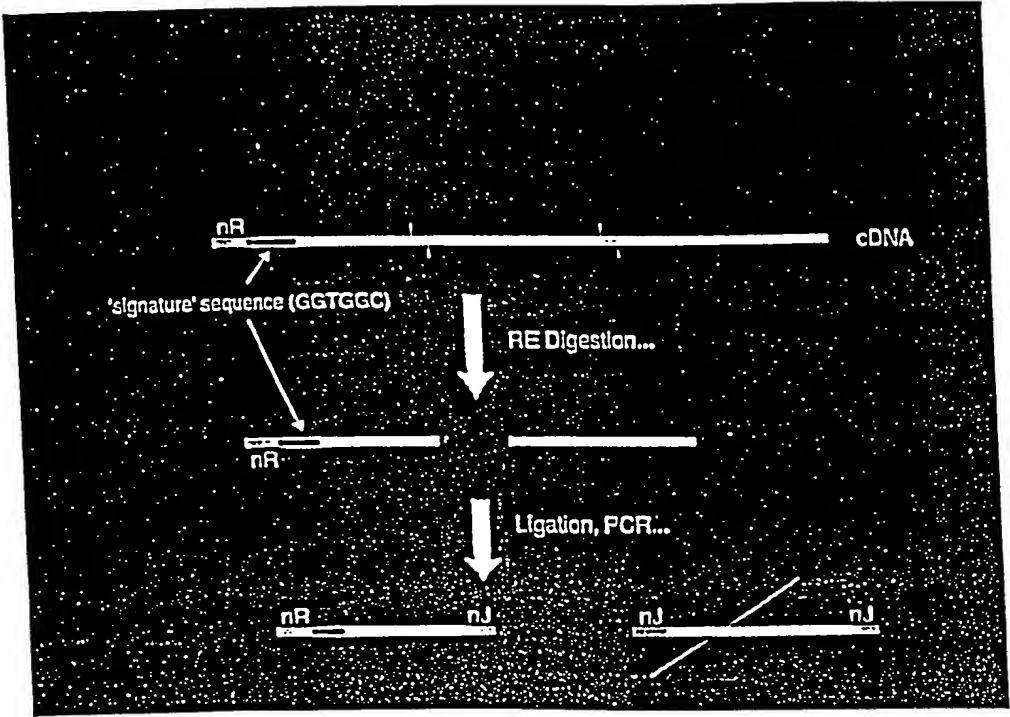
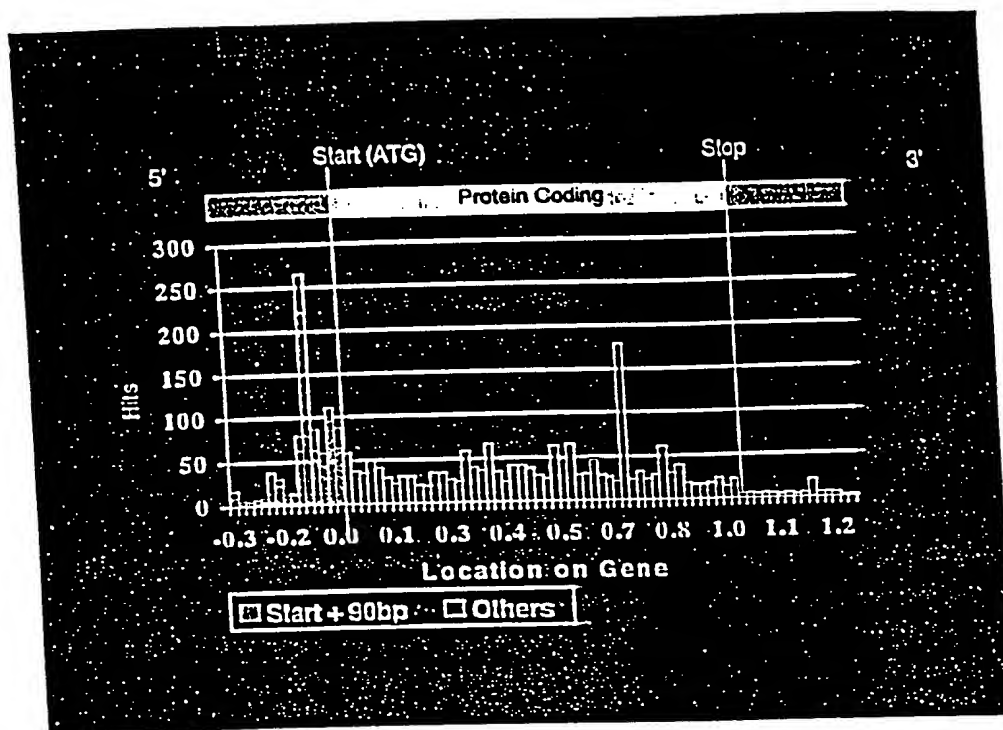


FIG. 3B



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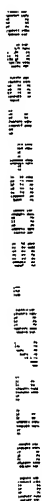
[illegible]

FIG. 3D

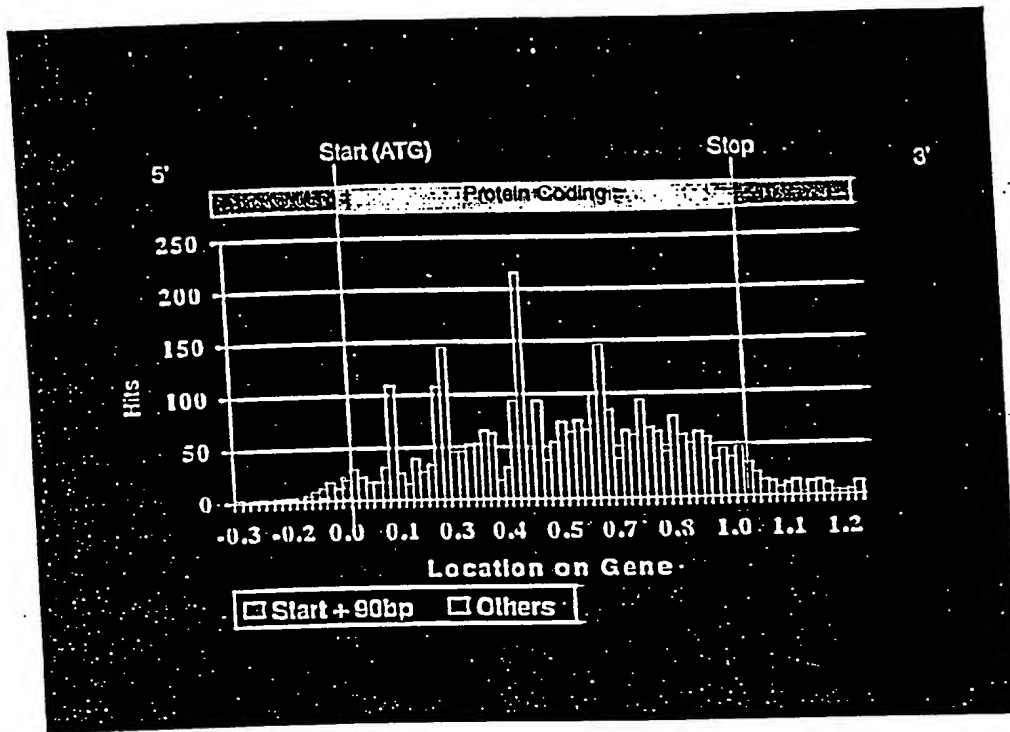


FIG. 4A

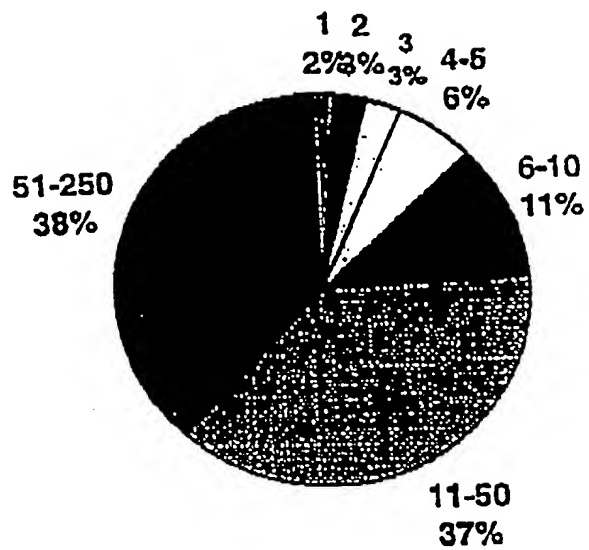
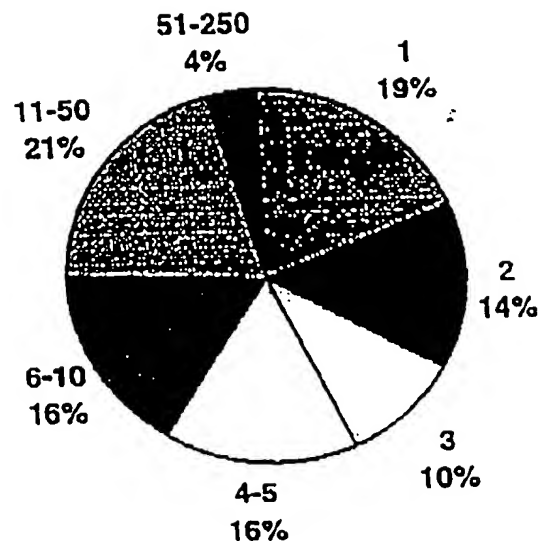
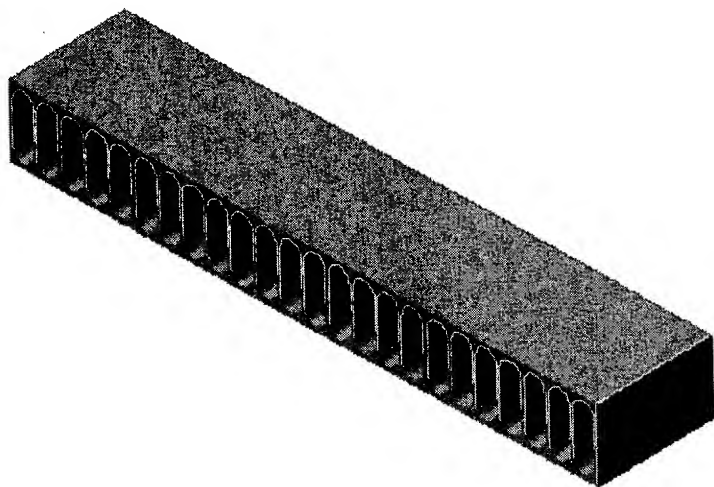
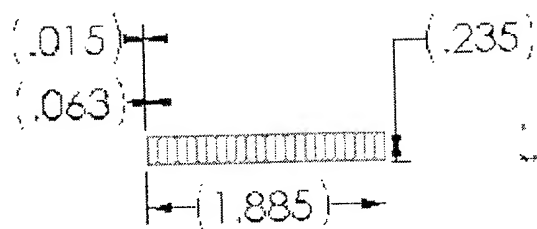


FIG. 4B

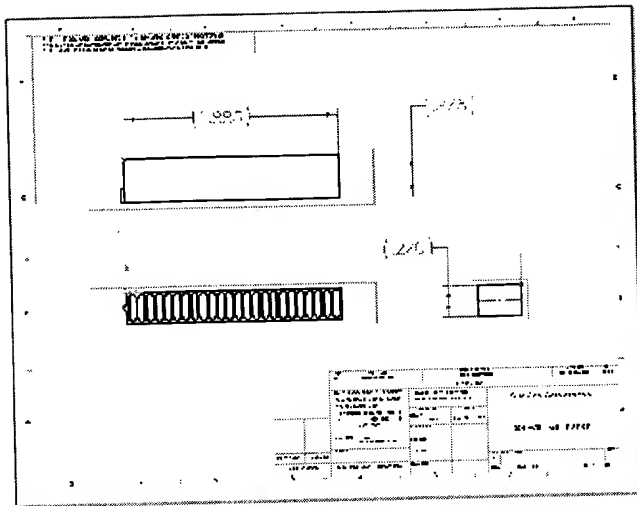


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FIG. 5C



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FIG. 7 Detailed Flow Diagram

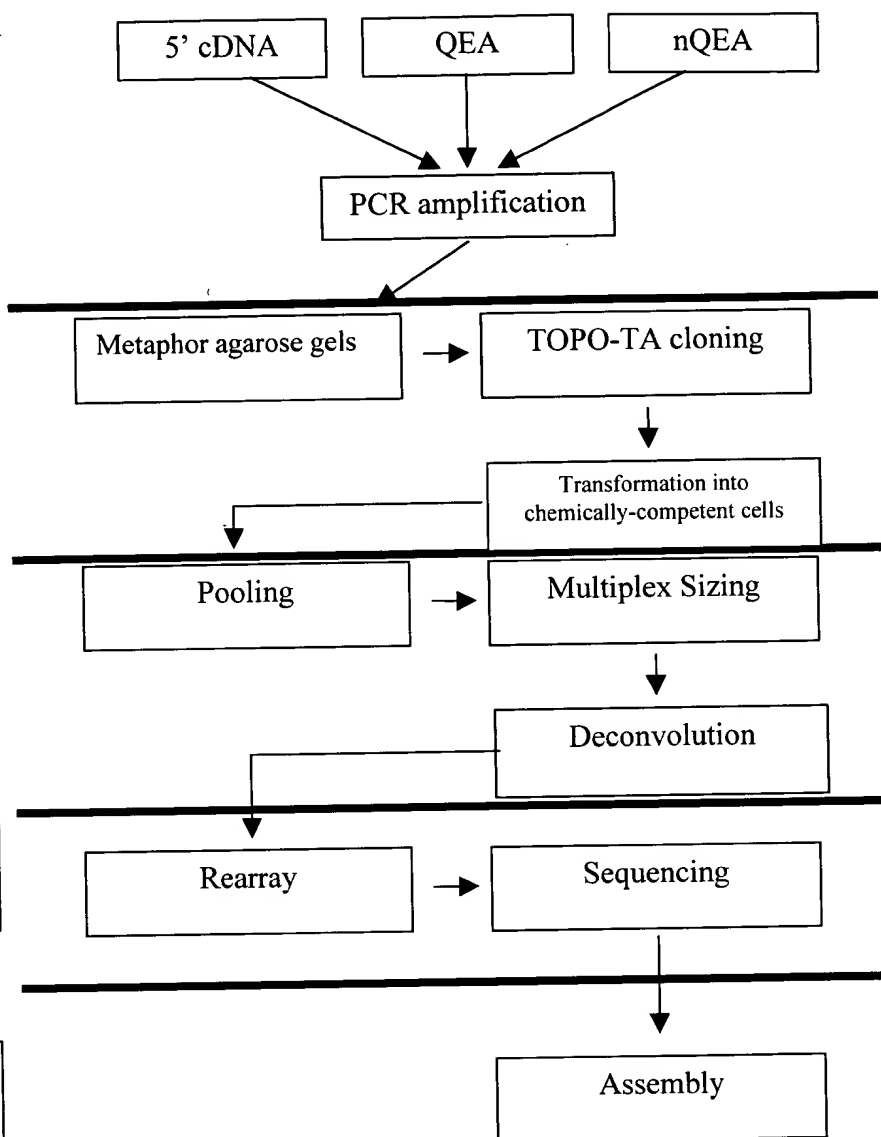
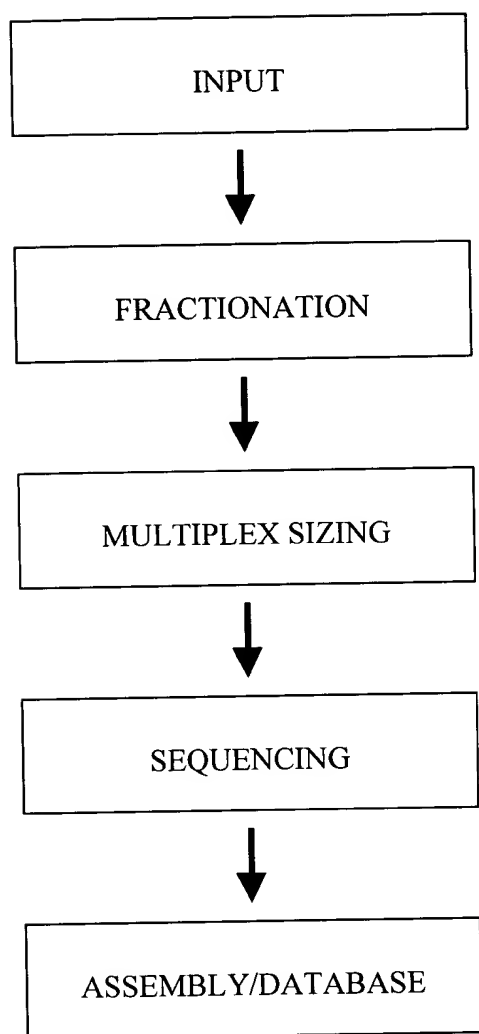
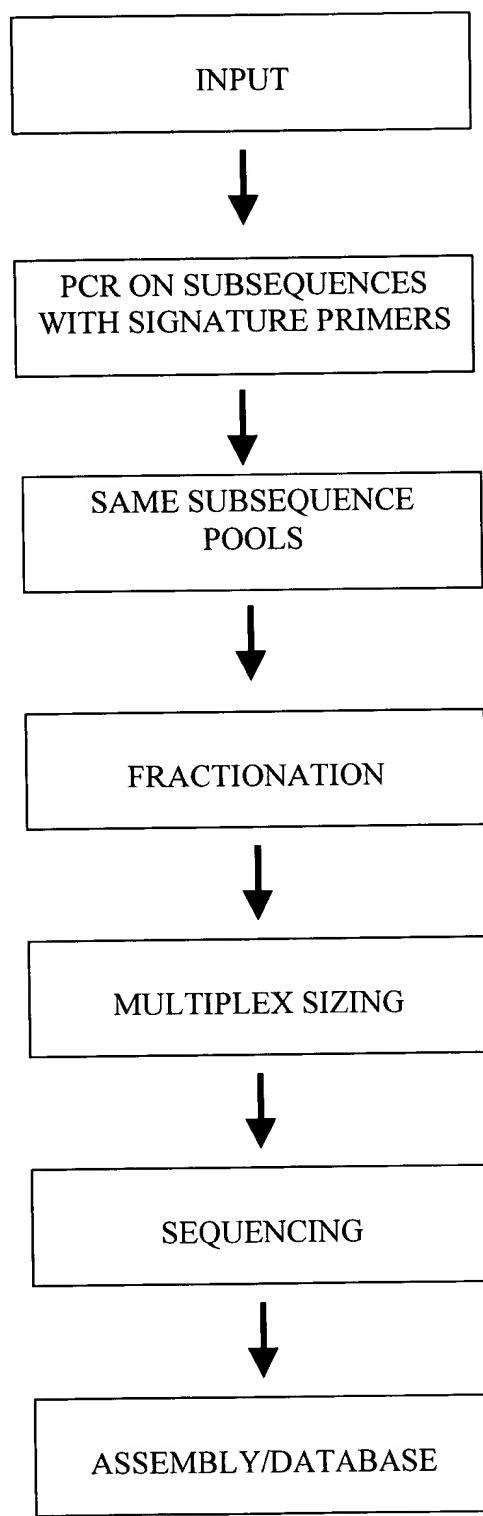


FIG. 8 Flow Diagram of the Pooled CloneSizing process



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FIG. 9 Detailed Flow Diagram

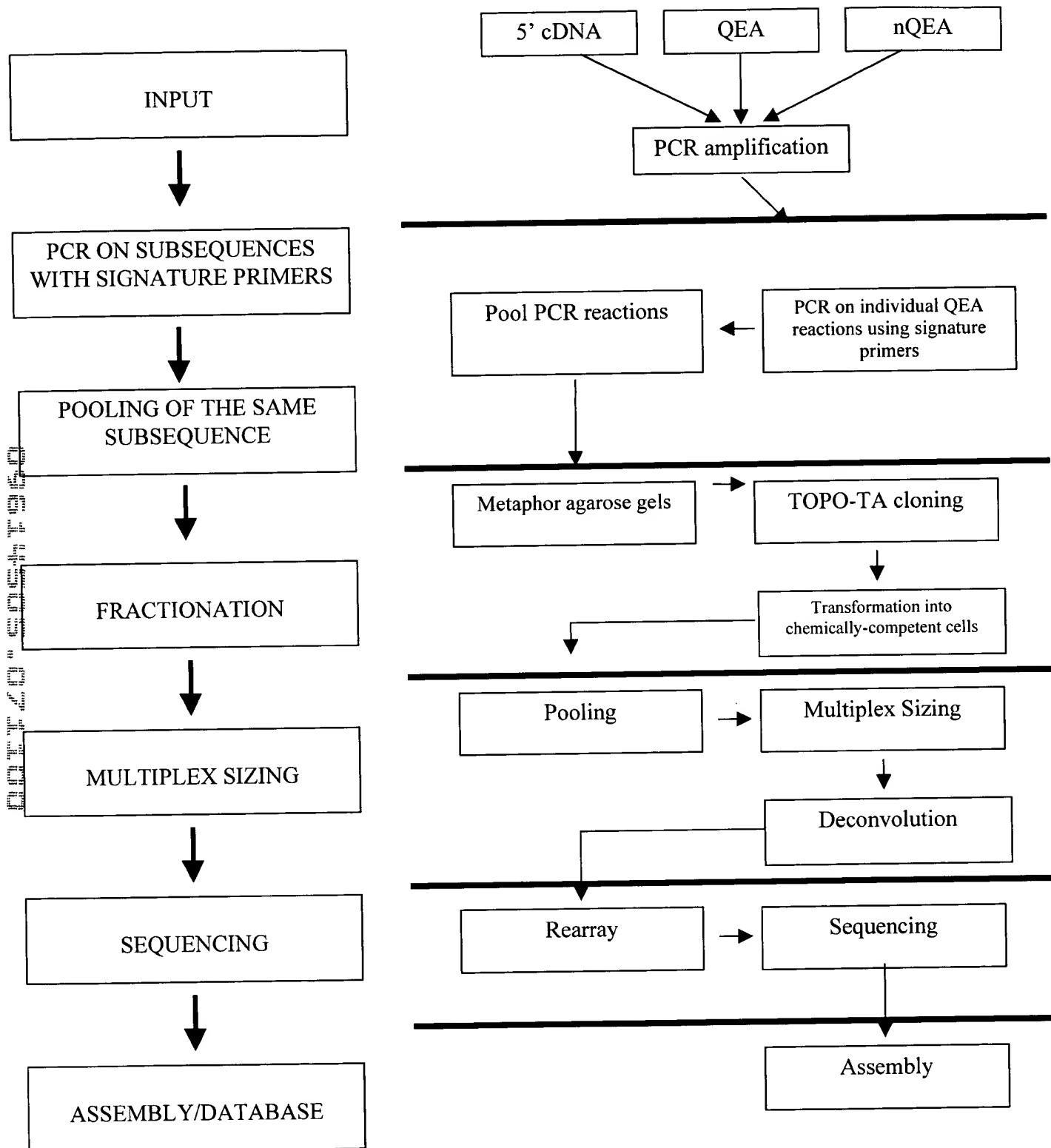


FIG. 10 Tissue tagging strategy

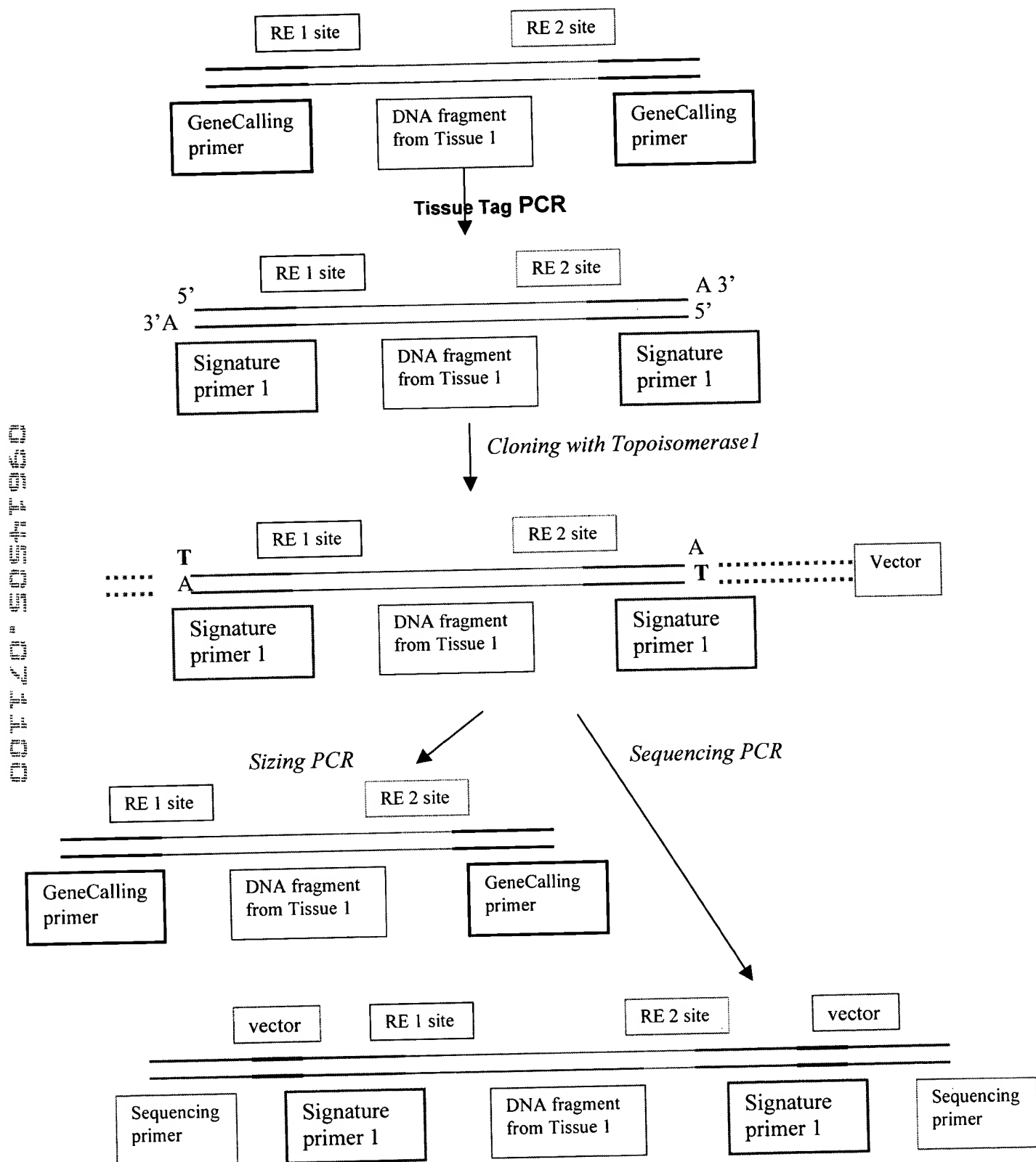


FIG. 11 MetaPhor gels. 6a 3% MP gels, 6b 4% MP gels

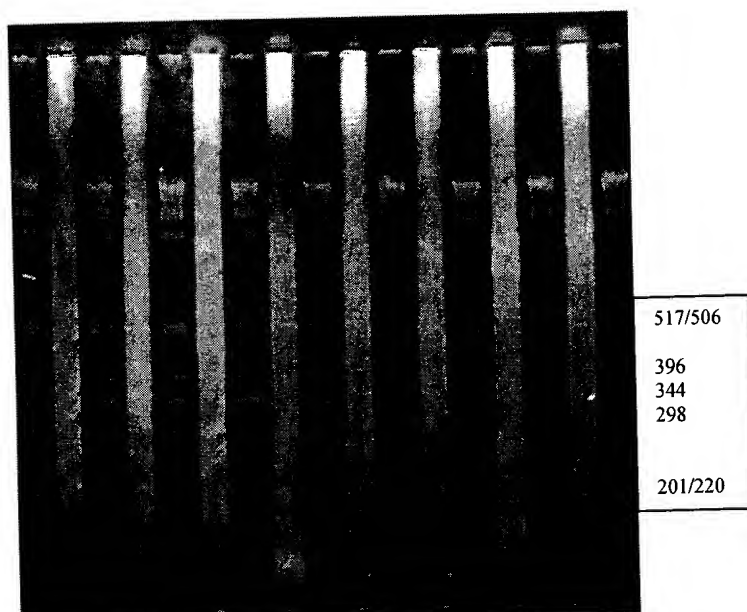


Figure 11A: 3% MP gel before cut

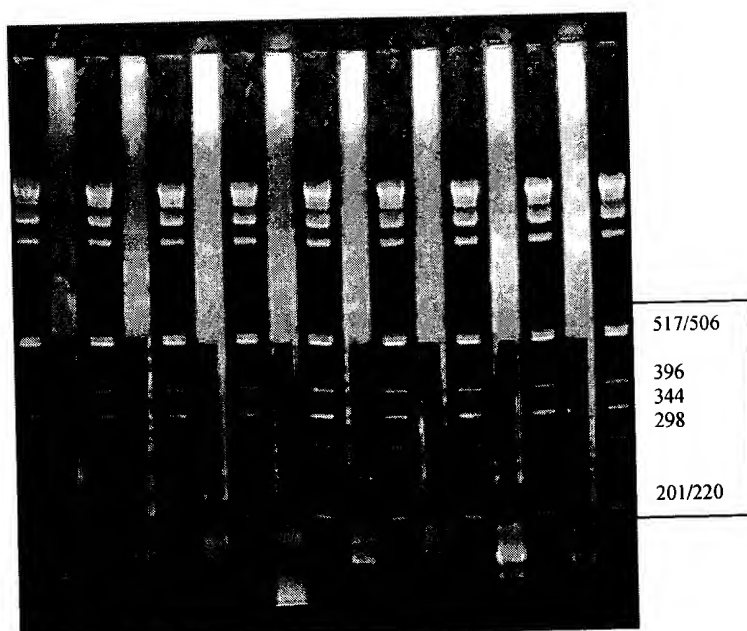
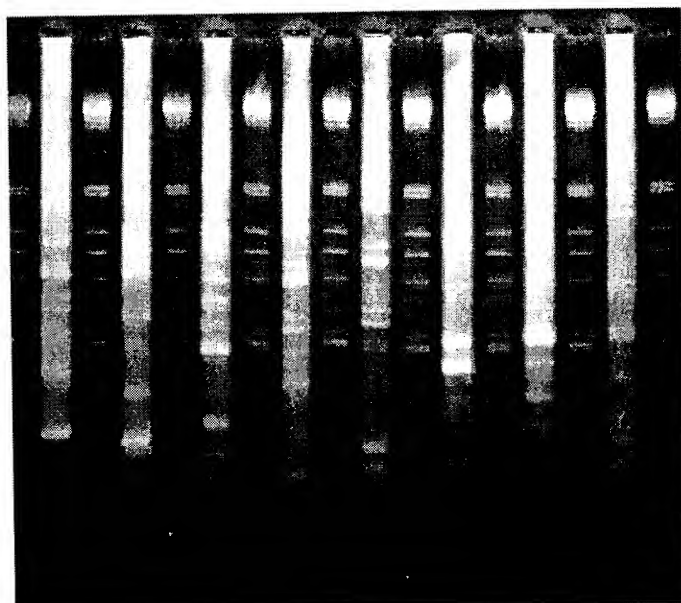


Figure 11B: 3% MP gel after cut

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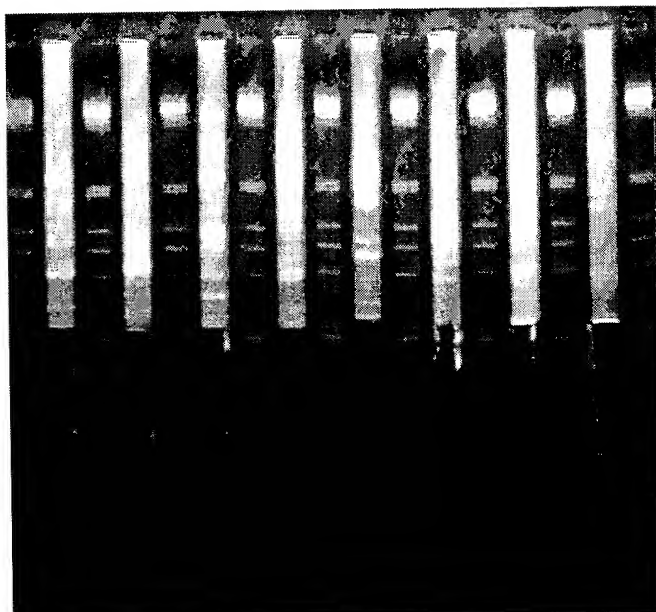


517
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Figure 11C: 4% MP gel before cut



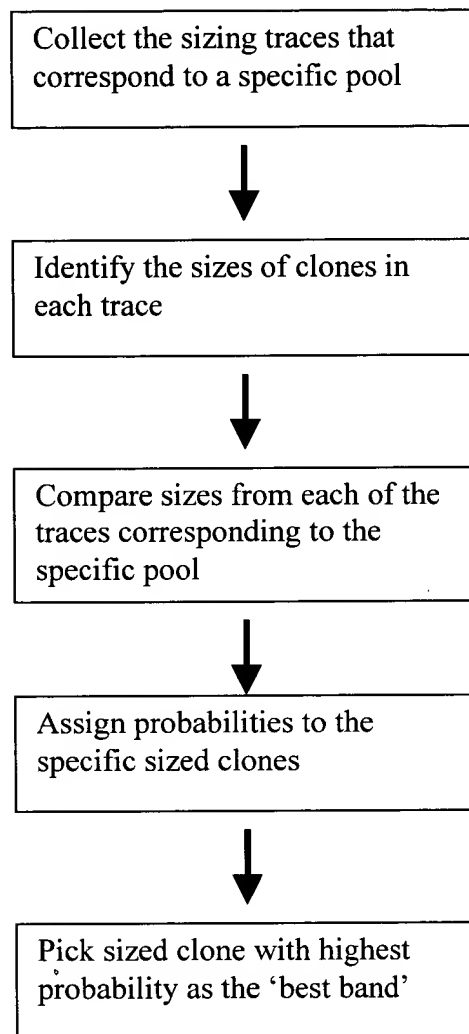
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Figure 11D: 4% MP gel after cut

FIG. 13 Detailed Flow Diagram for the Deconvolution



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FIG. 14 Representative output of the process. The vertical axis shows the predicted size of the clones, the horizontal axis shows the actual sequence length. In this graph, 76% of the actual sequence lengths fall within the allowed ± 3 base-pair.

